Chayan Sarkar

List of Publications by Year
in descending order

25 papers	434 citations	1478505 6 h-index	1474206 9 g-index
26 all docs	26 docs citations	26 times ranked	475 citing authors

#	Article	IF	Citations
1	DIAT: A Scalable Distributed Architecture for IoT. IEEE Internet of Things Journal, 2015, 2, 230-239.	8.7	120
2	A scalable distributed architecture towards unifying IoT applications. , 2014, , .		78
3	A unified semantic knowledge base for IoT. , 2014, , .		54
4	A Scalable Multi-Robot Task Allocation Algorithm. , 2018, , .		29
5	VSF: An Energy-Efficient Sensing Framework Using Virtual Sensors. IEEE Sensors Journal, 2016, 16, 5046-5059.	4.7	24
6	Jampacker: An Efficient and Reliable Robotic Bin Packing System for Cuboid Objects. IEEE Robotics and Automation Letters, 2021, 6, 319-326.	5.1	19
7	Energy Consumption and Latency in BLE Devices under Mutual Interference: An Experimental Study. , 2015, , .		16
8	SEAT: Secure Energy-Efficient Automated Public Transport Ticketing System. IEEE Transactions on Green Communications and Networking, 2018, 2, 222-233.	5.5	12
9	No-sense: Sense with dormant sensors. , 2014, , .		8
10	Sleeping Beauty: Efficient Communication for Node Scheduling. , 2016, , .		8
11	DeFatigue: Online Non-Intrusive Fatigue Detection by a Robot Co-Worker. , 2018, , .		7
12	Robust sensor data collection over a long period using virtual sensing. , 2016, , .		6
13	FLEET: When Time-Bounded Communication Meets High Energy-Efficiency. IEEE Access, 2019, 7, 77555-77568.	4.2	6
14	Understanding and Improving the Performance of Constructive Interference Using Destructive Interference in WSNs. IEEE/ACM Transactions on Networking, 2019, 27, 505-517.	3.8	6
15	Talk-to-Resolve: Combining scene understanding and spatial dialogue to resolve granular task ambiguity for a collocated robot. Robotics and Autonomous Systems, 2022, 155, 104183.	5.1	6
16	Buildsense. , 2017, , .		5
17	Semantic knowledge driven utility calculation towards efficient multi-robot task allocation. , 2018, , .		5
18	Cannot avoid penalty? Letâ€™s minimize. , 2019, , .		5

#	Article	IF	Citations
19	Your instruction may be crisp, but not clear to me!. , 2019, , .		5
20	Concurrent Transmission for Multi-Robot Coordination. , 2022, , .		4
21	A generalized algorithm and framework for online 3-dimensional bin packing in an automated sorting center. , 2021, , .		4
22	ReNEW: A Practical Module for Reliable Routing in Networks of Energy-Harvesting Wireless Sensors. IEEE Transactions on Green Communications and Networking, 2021, 5, 1558-1569.	5.5	3
23	Sleep-Route: Assured Sensing with Aggressively Sleeping Nodes. , 2014, , .		2
24	BuildSense. ACM Transactions on Sensor Networks, 2019, 15, 1-23.	3.6	2
25	An energy-harvesting facade optimization system for built environments. , 2017, , .		0